

1. Title: US-10-615-383A-7_COPY_102_2894
Sequence: 1 t t a a a a a a a a a a t a t t t a c t a t a g a a a a a a a a a a t t a a 2793
DE Staphylococcus epidermidis ORF nucleic acid sequence SEQ ID NO: 2477.
XX
KW Staphylococcus epidermidis; open reading frame; ORF; bacterial infection;
KW antibacterial; gene therapy; gene; ds.
XX
CS Staphylococcus epidermidis.
XX
PN US6380370-B1.
XX
PD 30-APR-2002.
XX
PF 13-AUG-1998; 98US-00134001.
XX
PR 14-AUG-1997; 97US-0055779P.
PR 08-NOV-1997; 97US-0064964P.
XX
PA (GENO) GENOME THERAPEUTICS CORP.
XX
PI Doucette-Stamm LA, Bush D;
XX
DR VPI; 2002-381255/41.
DR P-PSDB; ABP40469.
XX
PT Novel isolated nucleic acid encoding a Staphylococcus epidermis
PT polypeptide, useful for diagnosing and treating bacterial infections.
XX
PS Disclosure; SEQ ID NO 2477; 267pp; English.
XX
CC ABN0538 to ABN93374 represent Staphylococcus epidermidis open reading
CC frame (ORF) nucleic acid sequences which encode the amino acid sequences
CC given in ABP35124 to ABP37960. The S. epidermidis sequences have
CC antibacterial activity and can be used in gene therapy. The sequences can
CC also be used in the diagnosis and treatment of bacterial infections,
CC particularly S. epidermidis infections. The sequences can be used to
CC screen for compounds able to interfere with the S. epidermidis life cycle
CC or inhibit S. epidermidis infection. N.B. The sequence data for this
CC patent did not form part of the printed specification, but was obtained
CC in electronic format directly from the USPTO web site
SQ Sequence 2793 BP; 1149 A; 423 C; 497 G; 724 T; 0 U; 0 Other;

Query Match 99.9% Score 2791.4; DB 1; Length 2793;
Best Local Similarity 99.9% Pred. No. 0;
Matches 2792; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy	1	TTAAAAAAAATAATTTACTAACTAAAAAGAAACCTATAGCAAAATAATCCAATAAATAT	60
Db	1	TTAAAAAAAATAATTTACTAACTAAAAAGAAACCTATAGCAAAATAATCCAATAAATAT	60
Qy	61	GCAATTAGAAAAATTCACAGTAGGTACAGCGTCTATTGTAATAGGTGCAGCATTATTGTTT	120
Db	61	GCAATTAGAAAAATTCACAGTAGGTACAGCGTCTATTGTAATAGGTGCAACATTATTGTTT	120
Qy	121	GGTTTAGGTGCATAATGAGGCCAAAGCTGAGGAGAATACAGTACAAGACGTTAAAGATTG	180
Db	121	GGTTTAGGTGCATAATGAGGCCAAAGCTGAGGAGAATACAGTACAAGACGTTAAAGATTG	180
Qy	181	AATATGGATGATGAATTATCAGATAGCAATGATCAGTCAGTAATGAAGAAAAGAAATGAT	240
Db	181	AATATGGATGATGAATTATCAGATAGCAATGATCAGTCAGTAATGAAGAAAAGAAATGAT	240

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Qy	241	GTAATCAATAATAGTCAGTCAATAAACACCGATGATGATAACCAATAAAAAAAAAAGAGAA	300
Db	241	GTAATCAATAATAGTCAGTCAATAAACACCGATGATGATAACCAATAAAAAAAAAAGAGAA	300
Qy	301	ACGAATAGCAAOGATGCCATAGAAAATGGCTCTAAGATATAACACAGTCAACAACAAAT	360
Db	301	ACGAATAGCAAOGATGCCATAGAAAATGGCTCTAAGATATAACACAGTCAACAACAAAT	360
Qy	361	GTAGATGAAAAGCAACATTTTTACAAAAGACCGCTCAAGATAATACTCAGCTTAAA	420
Db	361	GTAGATGAAAAGCAACATTTTTACAAAAGACCGCTCAAGATAATACTCAGCTTAAA	420
Qy	421	GAAGAAGTGGTAAAAGAACCGCTCATCAGTGAATGCTCAAATTCATCAATGGATACTGCC	480
Db	421	GAAGAAGTGGTAAAAGAACCGCTCATCAGTGAATGCTCAAATTCATCAATGGATACTGCC	480
Qy	481	CAACAACCATCTCATACAACAATAATAGTGAAGCATCTATTCAAACAAGTGATAATGAA	540
Db	481	CAACAACCATCTCATACAACAATAATAGTGAAGCATCTATTCAAACAAGTGATAATGAA	540
Qy	541	GAAAAATGCGCGATCAGATTTTGCTAACTCTAAAATAATAGAGAGTAACACTGAATCC	600
Db	541	GAAAAATGCGCGATCAGATTTTGCTAACTCTAAAATAATAGAGAGTAACACTGAATCC	600
Qy	601	AATAAGAGAGAGTAATACTATAGAGCAACCTAACAAAGTAAGAGAAGATTCAATAACAAGT	660
Db	601	AATAAGAGAGAGTAATACTATAGAGCAACCTAACAAAGTAAGAGAAGATTCAATAACAAGT	660
Qy	661	CAACCGTCTAGCTATAAAAAATATAGATGAAAAAATTTCAAATCAAGATGAGTTATTAAAT	720
Db	661	CAACCGTCTAGCTATAAAAAATATAGATGAAAAAATTTCAAATCAAGATGAGTTATTAAAT	720
Qy	721	TTACCAATAAATGAATATGAAAATAAAGTTAGACGGTATCTACAACATCTGCCAACCA	780
Db	721	TTACCAATAAATGAATATGAAAATAAAGTTAGACGGTATCTACAACATCTGCCAACCA	780
Qy	781	TGAGTAGCGGTGAACCGTAAATCAATTAGCGGCAGAACAAAGTTGGAATGTTAATCAT	840
Db	781	TGAGTAGCGGTGAACCGTAAATCAATTAGCGGCAGAACAAAGTTGGAATGTTAATCAT	840
Qy	841	TTAATTTAAAGTTACTGATCAAAGTATTACTGAAGGATATGATGATAGTGATGGTATTATT	900
Db	841	TTAATTTAAAGTTACTGATCAAAGTATTACTGAAGGATATGATGATAGTGATGGTATTATT	900
Qy	901	AAAGCACATGATGCTGAAAACCTTAATCTATGATGTAACCTTTGAAGTAGATGATAAGGTG	960
Db	901	AAAGCACATGATGCTGAAAACCTTAATCTATGATGTAACCTTTGAAGTAGATGATAAGGTG	960
Qy	961	AAATCTGGTGATACGATGACAGTGAATATAGATAAGAATACAGTTCATCAGATTTAACC	1020
Db	961	AAATCTGGTGATACGATGACAGTGAATATAGATAAGAATACAGTTCATCAGATTTAACC	1020
Qy	1021	GATAGITTTTGAATACCAAAAAATAAAGATAATTCTGGAGAAATCATCGCTACAGGTA	1080
Db	1021	GATAGITTTTGAATACCAAAAAATAAAGATAATTCTGGAGAAATCATCGCTACAGGTA	1080
Qy	1081	TATGACAACACAAAATAACAAATTACCTACACTTTTACAGATTATGTAGATAAATATGAA	1140
Db	1081	TATGACAACACAAAATAACAAATTACCTACACTTTTACAGATTATGTAGATAAATATGAA	1140
Qy	1141	AATATTAAAGGCACTTAAATTAAACATCATACATTGATAAATCAAAGGTTCCAAATAAT	1200
Db	1141	AATATTAAAGGCACTTAAATTAAACATCATACATTGATAAATCAAAGGTTCCAAATAAT	1200

stic results.txt

2. Title: US-10-615-383A-10_COPY_51_598
 Sequence: 1 ENTVDVKDSNMDELSDSN.....TI AFSTSSGGGQDLPEKT 548
 DE Staphylococcus epidermidis ORF amino acid sequence SEQ ID NO: 5314.
 XX
 KW Staphylococcus epidermidis; open reading frame; ORF; bacterial infection;
 KW antibacterial; gene therapy.
 XX
 CS Staphylococcus epidermidis.
 XX
 PN US6380370- B1.
 XX
 PD 30- APR- 2002.
 XX
 PF 13- AUG- 1998; 98US- 00134001.
 XX
 PR 14- AUG- 1997; 97US- 0055779P.
 PR 08- NOV- 1997; 97US- 0064964P.
 XX
 PA (GENO-) GENOME THERAPEUTICS CORP.
 XX
 PI Doucette- Stamm LA, Bush D;
 XX
 DR VPI; 2002- 381255/ 41.
 DR N- PSDB; ABN93014.
 XX
 PT Novel isolated nucleic acid encoding a Staphylococcus epidermis
 PT polypeptide, useful for diagnosing and treating bacterial infections.
 XX
 PS Disclosure; SEQ ID NO 5314; 267pp; English.
 XX
 CC ABN90538 to ABN93374 represent Staphylococcus epidermidis open reading
 CC frame (ORF) nucleic acid sequences which encode the amino acid sequences
 CC given in ABP35124 to ABP37960. The S. epidermidis sequences have
 CC antibacterial activity and can be used in gene therapy. The sequences can
 CC also be used in the diagnosis and treatment of bacterial infections,
 CC particularly S. epidermidis infections. The sequences can be used to
 CC screen for compounds able to interfere with the S. epidermidis life cycle
 CC or inhibit S. epidermidis infection. N.B. The sequence data for this
 CC patent did not form part of the printed specification, but was obtained
 CC in electronic format directly from the USPTO web site
 XX
 SQ Sequence 930 AA;

Query Match 100.0% Score 2808; DB 1; Length 930;
 Best Local Similarity 100.0% Pred. No. 2.3e-138;
 Matches 548; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ENTVDVKDSNMDELSDSNQSSNEEKNDVI NNSGSI NTDDDNQ KKEETNSNDI ENR 60
 Db 51 ENTVDVKDSNMDELSDSNQSSNEEKNDVI NNSGSI NTDDDNQ KKEETNSNDI ENR 110
 Qy 61 SKDI TQSTTNVDENEATFLQKTPQNTQLKEEVWKEPSSVESSNSMDTAQCPSSHITI NS 120
 Db 111 SKDI TQSTTNVDENEATFLQKTPQNTQLKEEVWKEPSSVESSNSMDTAQCPSSHITI NS 170
 Qy 121 EASI QTSNEENSRSVDFANSKI I ESNTESNKEENTI EQPKVREDISI TSPQSSYKNI DE 180
 Db 171 EASI QTSNEENSRSVDFANSKI I ESNTESNKEENTI EQPKVREDISI TSPQSSYKNI DE 230
 Qy 181 KI SNODELLNLPI NEYENKVRPLSTTSACQSSKRVTVNQLAAEQGSNNVNIH I KVTDCSI T 240
 Db 231 KI SNODELLNLPI NEYENKVRPLSTTSACQSSKRVTVNQLAAEQGSNNVNIH I KVTDCSI T 290

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Qy 241 EGYDDSDGI | KAHD AENLI | YDVTFEVDKVKSGDTMFVNI DKNTVPSDLTDSFAI PKI KD 300
 Db 291 EGYDDSDGI | KAHD AENLI | YDVTFEVDKVKSGDTMFVNI DKNTVPSDLTDSFAI PKI KD 350
 Qy 301 NSGEI | ATGTGYDNTNKQI TYTFTDYVDKYENI KAHLKLT SYI DKS KVPNNNTKLDVEYKT 360
 Db 351 NSGEI | ATGTGYDNTNKQI TYTFTDYVDKYENI KAHLKLT SYI DKS KVPNNNTKLDVEYKT 410
 Qy 361 ALSSVNKTI | TVEYQKPENIR TANLQSMFTNI DTKNHTVEQTI YI NPLRYSAKETNNVNI SG 420
 Db 411 ALSSVNKTI | TVEYQKPENIR TANLQSMFTNI DTKNHTVEQTI YI NPLRYSAKETNNVNI SG 470
 Qy 421 NGDEGSTI | DDSTI | KVKYVGDNQNL PDSNR I YDYSEYEDVTNDDYACLGNNNDVNI NFG 480
 Db 471 NGDEGSTI | DDSTI | KVKYVGDNQNL PDSNR I YDYSEYEDVTNDDYACLGNNNDVNI NFG 530
 Qy 481 NI DSPYI | KVI SKYDPNKDDYTTI QQTVTMQITTI NEYTGEFR TASYDN TI AFSTSSGGGQ 540
 Db 531 NI DSPYI | KVI SKYDPNKDDYTTI QQTVTMQITTI NEYTGEFR TASYDN TI AFSTSSGGGQ 590
 Qy 541 GDL PPEKT 548
 Db 591 GDL PPEKT 598
 Qy 1201 AACACTAAGTTAGATGTAGAATATAAGAGG300CTTTTCATCAGTAAATAAAACAATTACG 1260
 Db 1201 AACACTAAGTTAGATGTAGAATATAAGAGG300CTTTTCATCAGTAAATAAAACAATTACG 1260
 Qy 1261 GTTGAATATCAAAAAOCTAAOGAAAATOGGACTGCTAAOCTTCAAAGTATGTTACAAAAC 1320
 Db 1261 GTTGAATATCAAAAAOCTAAOGAAAATOGGACTGCTAAOCTTCAAAGTATGTTACAAAAC 1320
 Qy 1321 ATAGATACGAAAAAOCATACAGTTGAGCAAAAGATTTATATTAAOCTCTTGGTATTCA 1380
 Db 1321 ATAGATACGAAAAAOCATACAGTTGAGCAAAAGATTTATATTAAOCTCTTGGTATTCA 1380
 Qy 1381 GCCAAAGAAAACAAATGTAATATTTT CAGGGAATGGGATGAAGGTTCAACAATTATOGAC 1440
 Db 1381 GCCAAAGAAAACAAATGTAATATTTT CAGGGAATGGGATGAAGGTTCAACAATTATOGAC 1440
 Qy 1441 GATAGTACAATCATTAAAGTTTATAAGGTTGGAGATAATCAAAATTTACACAGATAGTAAC 1500
 Db 1441 GATAGTACAATCATTAAAGTTTATAAGGTTGGAGATAATCAAAATTTACACAGATAGTAAC 1500
 Qy 1501 AGAATTTATGATTACAGTGAATATGAAGATGTACAAAATGATGATTATGCCAAATTAGGA 1560
 Db 1501 AGAATTTATGATTACAGTGAATATGAAGATGTACAAAATGATGATTATGCCAAATTAGGA 1560
 Qy 1561 AATAATAATGAOGTGAATATTAATTTTGGTAATATAGATTCAOCCATATATTATTAAGGTT 1620
 Db 1561 AATAATAATGAOGTGAATATTAATTTTGGTAATATAGATTCAOCCATATATTATTAAGGTT 1620
 Qy 1621 ATTAGTAAATATGAOCTAATAAGGAOGATTACAOGAOGATACAGCAAACGTGACAATG 1680
 Db 1621 ATTAGTAAATATGAOCTAATAAGGAOGATTACAOGAOGATACAGCAAACGTGACAATG 1680
 Qy 1681 CAAAGACTATATAATGAGTATACTGGTGAGTTTGAACAGCATOCTATGATAATACAATT 1740
 Db 1681 CAAAGACTATATAATGAGTATACTGGTGAGTTTGAACAGCATOCTATGATAATACAATT 1740
 Qy 1741 GCTTTCTCTACAAGTTCAGGTCAAGGACAAGGTGACITTGCTCTCTGAAAAACTTATAAA 1800

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Db	1741	GCTTTCTCTACAAGTTCAGGTCAAGGACAAGGTGACTTGCTCTGAAAAAAGCTTATATAA	1800
Qy	1801	ATCGGAGATTACGATATGGGAAGATGTAGATAAAGATGGTATTCAAAATACAAATGATAAT	1860
Db	1801	ATCGGAGATTACGATATGGGAAGATGTAGATAAAGATGGTATTCAAAATACAAATGATAAT	1860
Qy	1861	GAAAAACCGCTTAGTAATGTATTGGTAACCTTTGAGGTATCCTGATGGAACCTTCAAAATCA	1920
Db	1861	GAAAAACCGCTTAGTAATGTATTGGTAACCTTTGAGGTATCCTGATGGAACCTTCAAAATCA	1920
Qy	1921	GTGAGAACAGATGAAGAGGGGAAATATCAATTTGATGGGTTAAAAAACGGATTGACTTAT	1980
Db	1921	GTGAGAACAGATGAAGAGGGGAAATATCAATTTGATGGGTTAAAAAACGGATTGACTTAT	1980
Qy	1981	AAAATTACATTGGAACACCGGAAGGATATACGCGGAGCGTTAAACATTACGGAACAAAT	2040
Db	1981	AAAATTACATTGGAACACCGGAAGGATATACGCGGAGCGTTAAACATTACGGAACAAAT	2040
Qy	2041	CCTGCACTAGACTCAGAAGGCAATTCTGTATGGTAACCTATTAAOAGCAAGAGCATATG	2100
Db	2041	CCTGCACTAGACTCAGAAGGCAATTCTGTATGGTAACCTATTAAOAGCAAGAGCATATG	2100
Qy	2101	ACTATTGATAGCGGATTTTATCAAAACCTAAATATAGCTTAGGGAACCTATGTATGGTAT	2160
Db	2101	ACTATTGATAGCGGATTTTATCAAAACCTAAATATAGCTTAGGGAACCTATGTATGGTAT	2160
Qy	2161	GACACTAATAAAGATGGTATTCAAGGTGATGATGAAAAAGGAATCTCTGGAGTAAAAAGTG	2220
Db	2161	GACACTAATAAAGATGGTATTCAAGGTGATGATGAAAAAGGAATCTCTGGAGTAAAAAGTG	2220
Qy	2221	ACGTTAAAAAGATGAAAAACGAAATATCATTAGTACAACAACAACCTGATGAAAAATGGAAG	2280
Db	2221	ACGTTAAAAAGATGAAAAACGAAATATCATTAGTACAACAACAACCTGATGAAAAATGGAAG	2280
Qy	2281	TATCAATTTGATAAATTTAAATAGTGGTAATTATATTGTTCACTTTTGATAAAOCTTCAGGT	2340
Db	2281	TATCAATTTGATAAATTTAAATAGTGGTAATTATATTGTTCACTTTTGATAAAOCTTCAGGT	2340
Qy	2341	ATGACTCAAAACAACAAGATTCTGGTGATGATGAOGAACAGGATGCTGATG3GG3AAGAA	2400
Db	2341	ATGACTCAAAACAACAAGATTCTGGTGATGATGAOGAACAGGATGCTGATG3GG3AAGAA	2400
Qy	2401	GTCCATGTAAACAATTACTGATCATGATGACTTTAGTATAGATAOAGGATCTATGATGAC	2460
Db	2401	GTCCATGTAAACAATTACTGATCATGATGACTTTAGTATAGATAOAGGATCTATGATGAC	2460
Qy	2461	GACTCAGATTGAGATAGTGATTGAGACTCAGATAGOGAOGACTCAGACTOOGATAGOGAT	2520
Db	2461	GACTCAGATTGAGATAGTGATTGAGACTCAGATAGOGAOGACTCAGACTOOGATAGOGAT	2520
Qy	2521	TOGACTCAGACAGOGACTCAGATTCOGATAGTGATTGAGATTGACAGCTGACTCAGAC	2580
Db	2521	TOGACTCAGACAGOGACTCAGATTCOGATAGTGATTGAGATTGACAGCTGACTCAGAC	2580
Qy	2581	TCAGATAGTGATTGAGATTGACAGACOGATTTOGACTCAGACAGTGACTCAGGATTAGAC	2640
Db	2581	TCAGATAGTGATTGAGATTGACAGACOGATTTOGACTCAGACAGTGACTCAGGATTAGAC	2640
Qy	2641	AATAGCTCAGATAAGAATACAAAAGATAAAATACOGGATACAGGAGCTAATGAAGATCAT	2700
Db	2641	AATAGCTCAGATAAGAATACAAAAGATAAAATACOGGATACAGGAGCTAATGAAGATCAT	2700

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Qy      2701  GATTCTAAAGGCACATTACTTGGAGCTTTATTTGCAGGTTTAGGAGCGTTATTATTAGGG 2760
Db      2701  GATTCTAAAGGCACATTACTTGGAGCTTTATTTGCAGGTTTAGGAGCGTTATTATTAGGG 2760

Qy      2761  AAGCGTGCACAAAATAGAAAAAATAAAAAATTAA 2793
Db      2761  AAGCGTGCACAAAATAGAAAAAATAAAAAATTAA 2793

```

3. Title: US- 10- 615- 383A- 7_OCPY_252_1895

Sequence: 1 gagaatcacgtacaagacgt.....acttgcctcctgaaaaaact 1644

DE Staphylococcus epidermidis ORF nucleic acid sequence SEQ ID NO: 2477.

XX
KW Staphylococcus epidermidis; open reading frame; ORF; bacterial infection;
KW antibacterial; gene therapy; gene; ds.

XX
CS Staphylococcus epidermidis.

XX
PN US6380370- B1.

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PD 30- APR- 2002.

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PF 13- AUG- 1998; 98US- 00134001.

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PR 14- AUG- 1997; 97US- 0055779P.

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PR 08- NOV- 1997; 97US- 0064964P.

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PA (GENO-) GENOME THERAPEUTICS CORP.

XX
PI Doucette- Stamm LA, Bush D;

XX
DR VPI: 2002- 381255/ 41.

XX
DR P- PSDB; ABP40469.

XX
PT Novel isolated nucleic acid encoding a Staphylococcus epidermis
PT polypeptide, useful for diagnosing and treating bacterial infections.

XX
PS Disclosure; SEQ ID NO 2477; 267pp; English.

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CC ABN90538 to ABN93374 represent Staphylococcus epidermidis open reading
CC frame (ORF) nucleic acid sequences which encode the amino acid sequences
CC given in ABP35124 to ABP37960. The S. epidermidis sequences have
CC antibacterial activity and can be used in gene therapy. The sequences can
CC also be used in the diagnosis and treatment of bacterial infections,
CC particularly S. epidermidis infections. The sequences can be used to
CC screen for compounds able to interfere with the S. epidermidis life cycle
CC or inhibit S. epidermidis infection. N.B. The sequence data for this
CC patent did not form part of the printed specification, but was obtained
CC in electronic format directly from the USPTO web site

XX
SQ Sequence 2793 BP; 1149 A; 423 C; 497 G; 724 T; 0 U; 0 Other;

Query Match 100.0% Score 1644; DB 1; Length 2793;

Best Local Similarity 100.0% Pred. No. 3.3e-288;

Matches 1644; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy      1  GAGAATACAGTACAAGACGTTAAAGATTGGAATATGGATGATGAATTATCAGATAGCAAT 60
Db      151 GAGAATACAGTACAAGACGTTAAAGATTGGAATATGGATGATGAATTATCAGATAGCAAT 210

Qy      61  GATCAGTCCAGTAATGAAGAAAAGAAATGATGTAATCAATAATAGTCAGTCAATAAACACC 120
Db      211  GATCAGTCCAGTAATGAAGAAAAGAAATGATGTAATCAATAATAGTCAGTCAATAAACACC 270

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Qy	121	GATGATGATAACCAAAATAAAAAAGAGAAAGAAATAGCAACGATGCCATAGAAAATCGC	180
Db	271	GATGATGATAACCAAAATAAAAAAGAGAAAGAAATAGCAACGATGCCATAGAAAATCGC	330
Qy	181	TCTAAAGATATAACACAGTCAACAACAAATGTAGATGAAAACGAGCAACATTTTTACAA	240
Db	331	TCTAAAGATATAACACAGTCAACAACAAATGTAGATGAAAACGAGCAACATTTTTACAA	390
Qy	241	AAGACCCCTCAAGATAAATACTCAGCTTAAAGAAAGAGTGGTAAAAGAACCCCTCATCAGTC	300
Db	391	AAGACCCCTCAAGATAAATACTCAGCTTAAAGAAAGAGTGGTAAAAGAACCCCTCATCAGTC	450
Qy	301	GAATCCTCAAATTCATCAATGGATACTGCCCACCAACCATCTCATACAACAATAAATAGT	360
Db	451	GAATCCTCAAATTCATCAATGGATACTGCCCACCAACCATCTCATACAACAATAAATAGT	510
Qy	361	GAAGCATCTATTCAAAACAAGTGATAATGAAGAAAAATTCGCGGTATCAGATTTTGTAAAC	420
Db	511	GAAGCATCTATTCAAAACAAGTGATAATGAAGAAAAATTCGCGGTATCAGATTTTGTAAAC	570
Qy	421	TCTAAAAT AATAGAGAGTAACACTGAATCCAATAAAGAAAGAGAATACTATAGAGCAACCT	480
Db	571	TCTAAAAT AATAGAGAGTAACACTGAATCCAATAAAGAAAGAGAATACTATAGAGCAACCT	630
Qy	481	AACAAAGTAAGAGAAGATTCAATAACAAGTCAACCGTCTAGCTATAAAAAATATAGATGAA	540
Db	631	AACAAAGTAAGAGAAGATTCAATAACAAGTCAACCGTCTAGCTATAAAAAATATAGATGAA	690
Qy	541	AAAATTTCAAATCAAGATGAGTTATTAATTTACCAATAAATGAATATGAAAATAAGGTT	600
Db	691	AAAATTTCAAATCAAGATGAGTTATTAATTTACCAATAAATGAATATGAAAATAAGGTT	750
Qy	601	AGACCGTTATCTACAACATCTGCCCACCATCGAGTAAGCGTGAACCGTAAATCAATTA	660
Db	751	AGACCGTTATCTACAACATCTGCCCACCATCGAGTAAGCGTGAACCGTAAATCAATTA	810
Qy	661	GCGCAGAACAAAGGTTGGAATGTTAATCATTTAATTAAGGTTACTGATCAAAGTATTACT	720
Db	811	GCGCAGAACAAAGGTTGGAATGTTAATCATTTAATTAAGGTTACTGATCAAAGTATTACT	870
Qy	721	GAAGGATATGATGATAGTGATGGTATTATTAAGGCACATGATGCTGAAAACCTTAATCTAT	780
Db	871	GAAGGATATGATGATAGTGATGGTATTATTAAGGCACATGATGCTGAAAACCTTAATCTAT	930
Qy	781	GATGTAACCTTTTGAAGTAGATGATAAGGTGAAATCTGGTGATAOGATGACAGTGAAATATA	840
Db	931	GATGTAACCTTTTGAAGTAGATGATAAGGTGAAATCTGGTGATAOGATGACAGTGAAATATA	990
Qy	841	GATAAGAATACAGTTCATCAGATTTAACCGATAGTTTTGCAATACCAAAAAATAAAGAT	900
Db	991	GATAAGAATACAGTTCATCAGATTTAACCGATAGTTTTGCAATACCAAAAAATAAAGAT	1050
Qy	901	AATTCTGGAGAAATCATCGCTACAGGTACTTATGACAACACAAATAAACAAATTACCTAC	960
Db	1051	AATTCTGGAGAAATCATCGCTACAGGTACTTATGACAACACAAATAAACAAATTACCTAC	1110
Qy	961	ACTTTTACAGATTATGTAGATAAATATGAAAAATTTAAAGGCGCACTTAAATTAAACATCA	1020
Db	1111	ACTTTTACAGATTATGTAGATAAATATGAAAAATTTAAAGGCGCACTTAAATTAAACATCA	1170
Qy	1021	TACATTGATAAATCAAAGGTTCCAAATAATAACACTAAGTTAGATGTAGAAATATAAGACG	1080
Db	1171	TACATTGATAAATCAAAGGTTCCAAATAATAACACTAAGTTAGATGTAGAAATATAAGACG	1230

stic results.txt

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Qy 1081 GGCCTTTTCATCAGTAAATAAAACAATTACGGTTGAATATCAAAAACCTAACGAAATCGG 1140
Db 1231 GGCCTTTTCATCAGTAAATAAAACAATTACGGTTGAATATCAAAAACCTAACGAAATCGG 1290
Qy 1141 ACTGCTAACCTTCAAAGTATGTTCAAAACATAGATAAGAAAAACCATACAGTTGAGCAA 1200
Db 1291 ACTGCTAACCTTCAAAGTATGTTCAAAACATAGATAAGAAAAACCATACAGTTGAGCAA 1350
Qy 1201 ACGATTTATATTAACCTCTTCGTTATTACGCCAAAGAAACAAATGTAATATTTTCAGGG 1260
Db 1351 ACGATTTATATTAACCTCTTCGTTATTACGCCAAAGAAACAAATGTAATATTTTCAGGG 1410
Qy 1261 AATGCGGATGAAGGTTCAACAATTATGACGATAGTACAATCATTAAGGTTTATAAGGTT 1320
Db 1411 AATGCGGATGAAGGTTCAACAATTATGACGATAGTACAATCATTAAGGTTTATAAGGTT 1470
Qy 1321 GGAGATAATCAAAATTTACAGATAGTAACAGAAATTTATGATTACAGTGAATATGAAGAT 1380
Db 1471 GGAGATAATCAAAATTTACAGATAGTAACAGAAATTTATGATTACAGTGAATATGAAGAT 1530
Qy 1381 GTCACAAATGATGATTATGCCAAATTAGGAAATAATAATGACGTGAATATTAATTTTGGT 1440
Db 1531 GTCACAAATGATGATTATGCCAAATTAGGAAATAATAATGACGTGAATATTAATTTTGGT 1590
Qy 1441 AATATAGATTCAOCATATATTTAAAGTTATTAGTAAATATGAOCTAATAAGGACGAT 1500
Db 1591 AATATAGATTCAOCATATATTTAAAGTTATTAGTAAATATGAOCTAATAAGGACGAT 1650
Qy 1501 TACACGACGATACAGCAAACCTGTGACAATGCAAAOACTATAAATGAGTATACTGGTGAG 1560
Db 1651 TACACGACGATACAGCAAACCTGTGACAATGCAAAOACTATAAATGAGTATACTGGTGAG 1710
Qy 1561 TTTAGAACAGCATOCTATGATAATAACAATTGCTTTCTCTACAAGTTCAGGTCAAGGACAA 1620
Db 1711 TTTAGAACAGCATOCTATGATAATAACAATTGCTTTCTCTACAAGTTCAGGTCAAGGACAA 1770
Qy 1621 GGTGACTTGCTOCTGAAAAAACT 1644
Db 1771 GGTGACTTGCTOCTGAAAAAACT 1794

```

4. Title: US-10-615-383A-16

Sequence: 1 TYFTDYVD 9

DE Staphylococcus epidermidis ORF amino acid sequence SEQ ID NO: 5314.

XX
KW Staphylococcus epidermidis; open reading frame; ORF; bacterial infection;
KW antibacterial; gene therapy.

XX
OS Staphylococcus epidermidis.

XX
PN US6380370-B1.

XX
PD 30-APR-2002.

XX
PF 13-AUG-1998; 98US-00134001.

XX
PR 14-AUG-1997; 97US-0055779P.

XX
PR 08-NOV-1997; 97US-0064964P.

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PA (GENO) GENOME THERAPEUTICS CORP.

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PI Doucette-Stamm LA, Bush D;

XX

sticresults.txt

DR VPI: 2002-381255/ 41.
DR N-PSDB; ABN93014.

XX
PT Novel isolated nucleic acid encoding a Staphylococcus epidermis
PT polypeptide, useful for diagnosing and treating bacterial infections.

XX
PS Disclosure; SEQ ID NO 5314; 267pp; English.

XX
CC ABN90538 to ABN93374 represent Staphylococcus epidermidis open reading
CC frame (ORF) nucleic acid sequences which encode the amino acid sequences
CC given in ABP35124 to ABP37960. The S. epidermidis sequences have
CC antibacterial activity and can be used in gene therapy. The sequences can
CC also be used in the diagnosis and treatment of bacterial infections,
CC particularly S. epidermidis infections. The sequences can be used to
CC screen for compounds able to interfere with the S. epidermidis life cycle
CC or inhibit S. epidermidis infection. N.B. The sequence data for this
CC patent did not form part of the printed specification, but was obtained
CC in electronic format directly from the USPTO web site

XX
SQ Sequence 930 AA;

Query Match 100.0% Score 51; DB 1; Length 930;
Best Local Similarity 100.0% Pred. No. 23;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TYFTDYVD 9
|||
Db 369 TYFTDYVD 377